

-- 7. A method of testing a cabin telephony system, comprising the steps of:

a¹ indicating a presence of an AC voltage when a test unit is connected to a cabin delivery system connector of the cabin telephony system;

detecting a presence of data signals when the test unit is connected to the cabin delivery system connector;

indicating a presence of DC voltage when the test unit is connected to a seat telephony box of the cabin telephony system; and

detecting an over-current condition when the test unit is connected to the cabin delivery system connector.

8. The method of claim 7, wherein:

the cabin delivery system connector is located at the junction of a cabin delivery system and a zone telephony box.

9. The method of claim 7, wherein:

the test unit includes an AC voltage module, an E1 signal module, a DC power module, and a pair of connectors, and further comprising the step of:

selectively coupling the AC voltage module, the E1 signal module, and the DC power module to the pair of connectors as a function of the AC voltage present on the pair of connectors.

10. The method of claim 9, further comprising the step of:

detecting the presence of inbound E1 signals.

11. The method of claim 10, further comprising the step of:

a¹
detecting the presence of outbound E1 signals.

12. The method of claim 9, wherein:

the AC voltage module includes a plurality of voltage detect units, wherein each of the plurality of voltage detect units includes a window comparator and a current source coupled to the window comparator.

13. The method of claim 9, wherein:

the E1 signals include pulses having a duration, and further comprising the step of:
lengthening the duration of the pulses.

14. A test unit for a cabin telephony system, comprising:

means for indicating a presence of an AC voltage when a test unit is connected to a cabin delivery system connector of the cabin telephony system;

means for detecting a presence of data signals when the test unit is connected to the cabin delivery system connector;

means for indicating a presence of DC voltage when the test unit is connected to a seat telephony box of the cabin telephony system; and

means for detecting an over-current condition when the test unit is connected to the cabin delivery system connector. --